

TABLE 4A				
HISTORICAL AND PROJECTED AVERAGE DAILY TRAFFIC VOLUMES FOR SELECTED LOCATIONS IN JACKSON COUNTY				
LOCATION	1975	1982	1992	2015
NC 116:				
@ EAST OF US 23/US 441	-----	900	2,500	4,400
@ SR 1360	-----	1,000	2,700	4,750
@ EAST OF SR 1367 (BUTTE RD	1,200	1,600	3,500	6,900
@ EAST OF SR 1348 (BUCHANAN LOOP ROAD)	-----	2,300	4,400	10,000
@ NC 107	2,400	4,000	7,600	16,800
NC 281:				
@ SR 1754 (OAKHILL CHURCH)	-----	400	470	1,040
@ SR 1139 (PIONEER LODGE)	-----	200	160	600

CAPACITY ANALYSIS OF EXISTING MAJOR ROAD SYSTEM

The road network in Jackson County was analyzed to determine if the existing roads were able to adequately handle the existing traffic. The process calls for the comparison of volume to capacity ratios. The capacity of a particular road is dependent on levels of service (operating speeds) and pavement width. When the existing volumes for roads outside of urban areas were compared to those capacities, it was found that no road was over-capacity.

When existing capacities were compared to projected volumes for the year 2015, the following roads were anticipated of having capacity problems.

- US 64 from SR 1141 (SLAB TOWN ROAD) to SR 1116 (MERRELL ROAD).
- NC 107 from SR 1112 (CASHIERS SCHOOL) to SR 1141 (SLAB TOWN ROAD).
- NC 107 from SR 1001 (SPEEDWELL ROAD) to 0.39m North of SR 1001.
- NC 107 from existing 4-lane divided cross-section to Sylva East City Limits (Urban Planning Boundary).